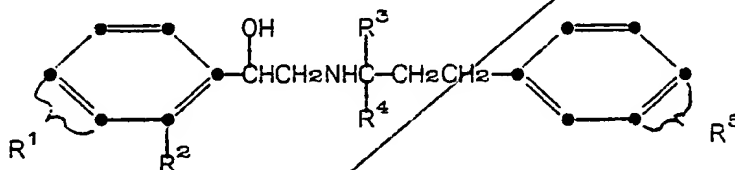


CM We claim:

1. A method for promoting the growth of an animal comprising administering to the animal a growth promoting amount of a compound having the formula



wherein:

$R^1$  is hydrogen, hydroxy, or methoxy;  
 $R^2$  is hydrogen or fluoro;  
 $R^3$  is hydrogen or  $C_1$ - $C_2$  alkyl;  
 $R^4$  is hydrogen or methyl;  
 $R^5$  is hydrogen, fluoro, nitro, hydroxy,  $SO_2CH_3$  or  $CONH_2$ ; provided that  $R^1$  is hydrogen only when  $R^5$  is nitro or  $SO_2CH_3$ ; and the acid addition salts thereof.

2. The method of Claim 1 employing a compound wherein  $R^1$  is hydrogen.

3. The method of Claim 2 employing a compound wherein  $R^3$  is hydrogen or methyl.

4. The method of Claim 3 employing a compound wherein  $R^2$  is hydrogen.

5. The method of Claim 4 employing a compound wherein  $R^5$  is nitro.

6. The method of Claim 3 employing a compound wherein  $R^2$  is fluoro.

7. The method of Claim 1 employing a compound wherein  $R^1$  is hydroxy.

8. The method of Claim 7 employing a compound wherein  $R^2$  is hydrogen.

9. The method of Claim 8 employing a compound wherein  $R^3$  is hydrogen and  $R^4$  is methyl.

10. The method of Claim 9 employing a compound wherein  $R^5$  is hydroxy.

11. The method of Claim 10 employing 1-(4-hydroxyphenyl)-2-[1-methyl-3-(4-hydroxyphenyl)propylamino]ethanol.

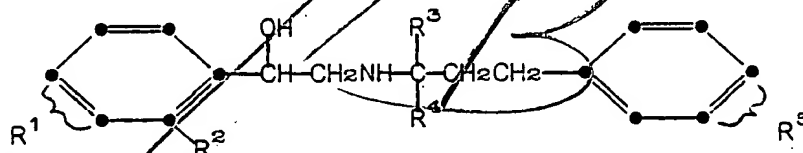
12. The method of Claim 11 employing 1-(4-hydroxyphenyl)-2-[1-methyl-3-(4-hydroxyphenyl)propylamino]ethanol hydrochloride.

13. The method of Claim 1 wherein the animal species treated is swine.

14. The method of Claim 1 wherein the animal species treated is poultry.

15. The method of Claim 1 wherein the animal species treated is a ruminant.

16. A method for improving the efficiency of feed utilization by domesticated animals comprising administering an effective amount of a compound of the formula



wherein:

- $R^1$  is hydrogen, hydroxy, or methoxy;  
 $R^2$  is hydrogen or fluoro;  
 $R^3$  is hydrogen or  $C_1-C_2$  alkyl;  
 $R^4$  is hydrogen or methyl;  
 $R^5$  is hydrogen, fluoro, nitro, hydroxy,  
 $SO_2CH_3$  or  $CONH_2$ ; provided that  $R^1$  is hydrogen only when  
 $R^4$  is nitro or  $SO_2CH_3$ ; and the acid addition salts  
 thereof.

17. The method of Claim 16 employing a compound wherein  $R^2$  is hydrogen,  $R^3$  is hydrogen or methyl and  $R^4$  is methyl.

18. The method of Claim 17 employing a compound wherein  $R^1$  is hydrogen.

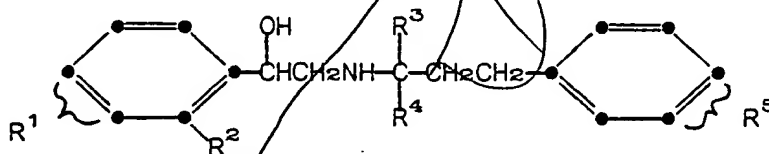
19. The method of Claim 17 employing a compound wherein  $R^1$  is hydroxy.

20. The method of Claim 19 employing a compound wherein  $R^5$  is hydroxy.

21. The method of Claim 19 employing a compound wherein  $R^5$  is fluoro.

22. The method of Claim 19 employing a compound wherein  $R^5$  is  $CONH_2$ .

423. A method for improving leanness in domesticated animals comprising administering an effective amount of a compound of the formula



wherein:

- $R^1$  is hydrogen, hydroxy, or methoxy;  
 $R^2$  is hydrogen or fluoro;  
 $R^3$  is hydrogen or  $C_1-C_2$  alkyl;  
 $R^4$  is hydrogen or methyl;  
 $R^5$  is hydrogen, fluoro, nitro, hydroxy,  
 $SO_2CH_3$  or  $CONH_2$ ; provided that  $R^1$  is hydrogen only when  
 $R^5$  is nitro or  $SO_2CH_3$ ; and the acid addition salts  
 thereof.

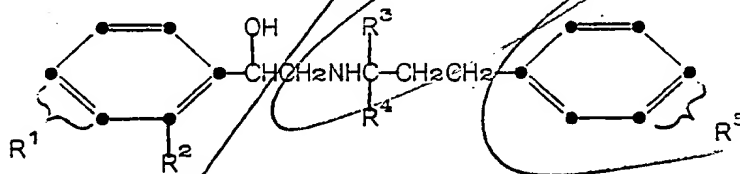
24. The method of Claim 23 employing a compound wherein  $R^2$  is hydrogen,  $R^3$  is hydrogen or methyl and  $R^4$  is methyl.

25. The method of Claim 24 employing a compound wherein  $R^1$  is hydrogen.

26. The method of Claim 24 employing a compound wherein  $R^1$  is hydroxy.

27. The method of Claim 26 employing a compound wherein  $R^5$  is hydroxy.

28. An animal feedstuff comprising a  $\beta$ -phen-ethanolamine of the formula



wherein:

- $R^1$  is hydrogen, hydroxy, or methoxy;  
 $R^2$  is hydrogen or fluoro;  
 $R^3$  is hydrogen or  $C_1-C_2$  alkyl;

$R^4$  is hydrogen or methyl;

$R^5$  is hydrogen, fluoro, nitro, hydroxy,  $SO_2CH_3$  or  $CONH_2$ ; provided that  $R^1$  is hydrogen only when  $R^4$  is  $SO_2CH_3$  or nitro; and the acid addition salts thereof.

5 29. The feedstuff according to Claim 28 employing a compound wherein  $R^1$  is hydrogen and  $R^3$  is hydrogen or methyl.

10 30. The feedstuff according to Claim 28 employing a compound wherein  $R^1$  is hydroxy.

31. The feedstuff according to Claim 30 employing a compound wherein  $R^2$  is hydrogen,  $R^3$  is hydrogen or methyl and  $R^4$  is methyl.

15 32. The feedstuff according to Claim 31 employing a compound wherein  $R^5$  is hydroxy.

33. The feedstuff of Claim 32 employing 1-(4-hydroxyphenyl)-2-[1-methyl-3-(4-hydroxyphenyl)-propylamino]ethanol.

20 34. The feedstuff of Claim 32 employing 1-(4-hydroxyphenyl)-2-[1-methyl-3-(4-hydroxyphenyl)-propylamino]ethanol hydrochloride.

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*add D<sup>1</sup>*

*add B<sup>2</sup> + B<sup>3</sup>*